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Customer Number

Patent
Case No.: 56984US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: DEBE, MARK K.

Patent No.: 6780536

Group Art Unit: 1746

Dated: August 24, 2004

Examiner: Bruce F. Bell

Title: FLOW FIELD

Certificate

Jul 11 2005

of Correction

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.322 AND 1.323Attn: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

June 30, 2005
DatePhyllis J. Boettcher
Signed for: Phyllis J. Boettcher

Dear Sir:

It is respectfully requested that a Certificate of Correction be issued in connection with the above-identified patent. The required text is submitted on the attached form.

The errors are attributable to both the Applicant(s) and the Patent and Trademark Office. Please charge the fee provided in 37 CFR § 1.20(a), and if necessary, charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723. One copy of this sheet marked duplicate is also enclosed.

Respectfully submitted,

Date

By:

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07/07/2005 USFPAU1 00000064 133723 6780536

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 3

PATENT NO.: 6780536
DATED: August 24, 2004
FIRST NAMED INVENTOR: DEBE, MARK K.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 10

Lines 10 – 17, replace the formula with the following:

-- --

$$\text{since } \cos \theta = \frac{x_0}{g} \text{ in Fig. 2 above.}$$

Also from Fig. 2, $y_0 = 2 \cdot x_0 \tan \theta + w$. Replacing y_0 in (2) with this gives, from (1),

$$(3) \quad U_y(x) = -\frac{K_L}{\mu} \cdot \frac{\Delta P}{N(w+2L)} \frac{\left(w + 2 \frac{x_0}{\cos \theta}\right)}{\left(w + 2 x_0 \tan \theta\right)}$$

-- --

Column 11

Lines 37 – 42, replace the formula with the following:

-- --

$$(5) \quad U_{i,y}(x) = -\frac{K_L}{\mu} \cdot \frac{\Delta P_i}{(w_i + 2L_i)} \frac{\left(w_i + 2 \frac{x_0}{\cos \theta_i}\right)}{\left(w_i + 2 x_0 \tan \theta_i\right)}, \quad \text{where } \Delta P = \sum_{i=1}^N \Delta P_i$$

-- --

MAILING ADDRESS OF SENDER:

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SAINT PAUL, MINNESOTA 55133-3427**

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Column 11

Line 67, replace the formula with the following:

-- --

$$\rho_i(O_2) = \frac{P_{i,O_2} \cdot M_w}{RT} \text{ at that point of loop } i;$$

-- --

Column 12

Lines 1 - 5, replace the formula with the following:

-- --

$$(7) \quad \frac{dm_{i,O_2}}{dA}(x=L) = \frac{-K_L M_w}{RT\mu} \frac{P_{i,O_2} \Delta P_i}{2L_i \sin \theta_i},$$

Line 8, replace the formula with the following:

-- --

-- --

$$\Delta P_i \text{ and } P_{i,O_2}$$

-- --

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Page 3 of 3

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Column 12

Line 20, replace the formula with the following:

-- --

For P_{i,O_2}

-- --

Lines 30 - 32, replace the formula with the following:

-- --

$$(9) \quad p_{i,O_2} = P_{in}(O_2) \left(1 - \frac{i}{N\eta} \right)$$

-- --

Column 15

Line 21, delete " zig-zig " and insert in place thereof -- -- zig-zag -- --

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